[c]alculus

(syllabus)

MATH 252 | CRN 20615 | WINTER 2020 | EDFINITY KEY: A7DUEC97

(CLASS INFO**)**

Day/Time:	MTWF/14:00 – 14:50
Room:	MNB 130
Instructor:	Chris Mock

(CONTACT INFO**)**

Office:	Maaske 305
Phone:	503-838-9710
e-mail:	mockc@wou.edu
Website:	www.wou.edu/~mockc

(OFFICE HOURS**)**

	monday	tuesday	wednesday	thursday	friday
8:00	*office hour*				*office hour*
9:00	math 111 (fox)	math 111 (fox)	math 111 (fox)		math 111 (fox)
10:00	math 211	math 211	math 211		math 211
11:00	*office hour*	*office hour*	*office hour*		
12:00					
13:00	math 111 (tan)	math 111 (tan)	math 111 (tan)		math 111 (tan)
14:00	math 252	math 252	math 252		math 252
15:00					

(PREREQUISITES**)**

Must have completed Math 251 with a C- or better.

(COURSE OBJECTIVES**)**

- Students will provide accurate explanations of information presented in mathematical forms
- Students will convert relevant information into various mathematical forms
- Students will have an intuitive understanding of the area problem, an intuitive understanding of, and working knowledge of, the definitions of indefinite and indefinite integral and of both versions of the Fundamental Theorem of Calculus
- Students will be able to implement techniques for finding antiderivatives and be able to apply the notions of definite and indefinite integral to solve real-world problems
- Understand how to communicate calculus effectively using proper mathematical vocabulary and notation.

(COURSE MATERIALS**)**

- **Text:** openstax *Calculus Volume 2* (openstax.org/details/books/calculus-volume-2)

- **Scientific calculator:** a TI-83 or TI-84 is highly recommended – please bring it with you everyday! A TI-89, or any other calculator with a computer algebra system similar to the 89, is not permissible for use on quizzes and exams

- **Subscription with edfinity:** edfinity is the online platform I've chosen to go with for online homework this term. It is inexpensive and intuitive to use!

    - You can read a little bit about how to get signed up here: edfinity.zendesk.com/hc/en-us/articles/360003882672-Signing-up-as-a-student
    - Here is the invitation for our course's homework page: https://edfinity.com/join/A7DUEC97

- **Highly recommended to buy a 3-ring binder for this class** – the way I'll be doing notes will sometimes include some printouts that I'll 3-hole punch for you so that you can organize it with your written notes. I think the best way to organize the notes for this class will be to take them on loose-leaf binder paper and then insert the handouts/worksheets in your binder right after the handwritten notes that you take.

(GRADE WEIGHTS**)**

Homework (written)	15.0%
Homework (WebAssign)	10.0%
Quizzes/worksheets	15.0%
Exam I:	20.0%
Exam II:	20.0%
Final exam:	20.0%
Total:	100.0%

F	0.00% - 59.9%	C+	77.0% - 79.9%
D-	60.0% - 62.9%	B-	80.0% - 82.9%
D	63.0% - 66.9%	B	83.0% - 86.9%
D+	67.0% - 69.9%	B+	87.0% - 89.9%
C-	70.0% - 72.9%	A-	90.0% - 92.9%
C	73.0% - 76.9%	A	93.0% +

Special Grades

Incomplete grades may be assigned at the discretion of the instructor. An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing a very small portion of the course (e.g. the final exam). A contract between the student and instructor for completion of the remaining course work is required.

If the course is taken on a pass/no-pass basis, a passing score is designated at a C- or better.

(HOMEWORK**)**

Homework is broken into two categories:

i. Online homework, and
ii. Written homework

Online homework

- Online homework will be assigned every class day, and due the class day after we have finished that chapter.
- Assignments are designed to be based on the day(s) of lecture we spent on the particular chapter the homework is over
- Used as a guide mostly to make sure you have the basic concepts of that chapter down
- Worth 10% of overall grade
- Online homework grades itself based on accuracy (though, you'll have unlimited attempts at all problems)
- Late homework accepted for half-credit

Written homework

- Written homework will be assigned every Monday, and be due the following Monday.
- The written assignment will span the chapter sections I plan on covering in that week (around 2 chapters worth of content)
- Worth 15% of overall grade
- Graded on two categories:
    - Completeness: 8 points (did you do the whole assignment?)
    - Correctness: 12 points (did you do a select amount of questions correctly?)
- Late homework will be accepted but only awarded completeness points

There is a certain level of organization that I expect from all of you for each written homework assignment. To be perfectly clear, the following style is required (not simply suggested) for written solutions:

- **Your handwriting must be completely legible**
- In the upper-right corner of each homework assignment, please write
    - Your name
    - Course section time or name (math 252 / calc II)
    - Section number (ex: section 1.4)
- The title of your assignment should be the page # and problems that you will complete
- Each problem is ordered numerically, and each solution is bordered with a circle or box.

If the above is not met, you will see reduction in completeness points. Or, if it's really unorganized, I may have you redo the assignment.

(QUIZZES/WORKSHEETS**)**

My goal this term is to give either a quiz or worksheet every non-exam week – possibly both a quiz and a worksheet would happen in the same week as well. Quizzes would be given at the end of class (probably on Friday). These quizzes, while part of your grade, are in place to help you prepare for upcoming chapter exams, and also help me get a sense for how the class is performing as a whole. I'd give you guys around 15 to 20 minutes to finish about 3 to 4 questions.

Worksheets will likely be a whole-day (all 50 minutes of class) activity for specific topics that we are working on. It will be completed in small groups with me walking around asking if there are any questions on it. Only one worksheet would need to be turned in per group – or it might even be more beneficial if I simply recorded if you finished it or not while we are still in class, that way you wouldn't need to turn it in at all and could use it to study from (still deciding how best to handle this).

(EXAMS**)**

There will be two mid-terms throughout this course as well as a cumulative final exam. Each one will be based off of material that has been covered in lectures, homework problems, and in-class assignments. Attendance and completion of assignments are essential to being a successful test taker. Make-up exams will not be given unless there is a legitimate reason you missed it (university sanctioned event, doctors note, etc.) Your lowest midterm score will be replaced by your final exam score, provided it's a higher score. I do this so that completely failing one of the midterms (or missing it outright) is not the end of the world, so to speak.

(APPROPRIATE CLASSROOM BEHAVIOR**)**

You are ultimately responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate**.** This prescribed conduct for all students is described in the University Catalog. In particular, academic dishonesty of any kind will not be tolerated, and will be reported to the university. Also, leave your cell phone off or on silent when you come to class. They are not to be used at all during class. If for some reason you absolutely need to be contacted (in some emergency situation), inform me before class and an arrangement can be made.

(DISABILITY AND VETERAN SERVICES**)**

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Services, APSC 405, or at 503-838-8250, as early as possible in the term. Students needing medical or mental health care can access the Student Health and Counseling Center by calling 503-838-8313, emailing at health@wou.edu, or by walking in to schedule an appointment.

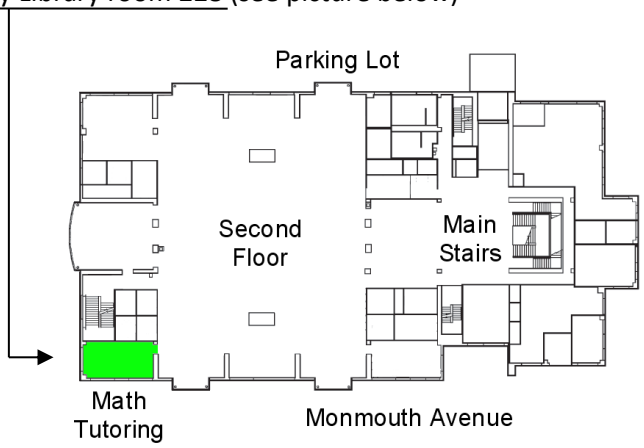
Veterans and Active Military Personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.

(WOLF CONNECTION SYSTEM**)**

If the instructor determines your performance in this class is placing you at academic risk, you may be referred to Jesse Poole, Western's Student Success Specials. Jesse will offer to work with you to address issues and develop a student success strategy. Regardless of whether a referral has or has not been made, you are ultimately responsible for tracking your own progress in this course. If you would like to meet with Jesse regarding any academic struggles you are experiencing, please contact the Academic Advising and Learning Center at 503-838-8428.

(MATH CENTER**)**

The Math Center is a great place to go for additional help on concepts talked about in this course.. It is located in Hamersly Library room 228 (see picture below)



and is open Monday through Friday from 11:00 am to 6:00 pm (3:00pm on Fridays) beginning week 2 and ending week 10. For addition information on the tutoring center and its hours, please visit

http://www.wou.edu/mathcenter

(MY WEBSITE**)**

This section of the syllabus serves as advertisement for my personal website! There are lots of cool things to check on my website, including (but not limited to):

- My office hours
- The schedule of your math course (lets you know exactly what we will be learning on any given day)
- The current homework that is due the very next class day
- Tutoring center webpage
- Copy of this syllabus
- Helpful links and videos to help with the learning of difficult topics
- Any handouts which were given in class (so you can print them if you missed a day)

Please make use of this website! I work hard on maintaining it, and I would hate for it to be a waste. I would say that the most notable thing about it is that it will show you day-by-day what we covered in class on any particular day. I will be updating it every morning with the current day's worth of information.

(TIPS FOR SUCCESS**)**

So you might ask me "Mr. Mock, how can I be successful in this class?" Here are just a few tips:

- Show up to class – there are those who believe that showing up to class is optional…and I suppose that's true from the philosophical perspective of free will, but if you don't show up to class, you may miss something important!
- Do the homework – contrary to popular belief, doing the homework actually *does* help students practice and learn the material. You will be most successful if you work on your assigned homework as soon as possible. The material will be fresh and you will prepare yourself for subsequent classes.

- Ask questions – If there is something you don't understand or need more clarification on, ask me! You can ask during the lecture, come to my office hours, or even send me an email. As a general rule, you can assume that someone else in the class has that same question, so do not feel like you are wasting class time by asking!
- Go to the tutoring center – the students who work at the tutoring center are undergrad mathematics students, and are eager to help students with mathematics!
- Come into office hours when you can! The tutoring center is awesome, don't get me wrong, but let me blunt: I'm a better resource than the tutoring center (sorry, tutoring center). The tutoring center should mainly be used for when I'm not available, so come and see me if you can find time! There have been countless terms where I can count the number of students who visit my office on my hands... those terms make me sad…
- Find a study buddy – hold each other accountable for finishing homework, find a time to meet up outside of class to work on the more difficult problems. It's a lot easier to find motivation when you have a partner.
- Check my website – look at the course schedule, know what upcoming chapters are and read them beforehand. Know what I will teach before I actually teach it!
- Check your WOU email regularly. If I have something to announce outside of class, it will be through email. I would say I do this often – usually it's to announce if something unexpected happens and I need to cancel class, or maybe to send an attachment (such as answer keys to a in class review), etc…
- Take self-made practice exams –There is a way to lessen the pressure of timed exams: practice with a time limit.
- Don't "week 9" me. A lot of students approach me at the end of the term with excuses on why their attendance has been poor or why their exam scores have been low and they always ask: "Is there anything I can do to pass this course." So instead I will take the liberty to answer that question right now: There's nothing you can do at week 9 that can make up for a whole term of absences and poor exam scores. If you find yourself falling behind at like week 4, come see me! Don't wait!
- It is a standard academic rule of thumb to spend two to three hours out of class for every hour in class while studying mathematics or science. This is a 200 level, 5 credit mathematics course and you should expect to spend 10 to 15 hours per week outside of class studying and working on the content of Math 251. Set up a regular schedule for yourself and stick with it. Success in mathematics is directly linked to effort and regular practice.